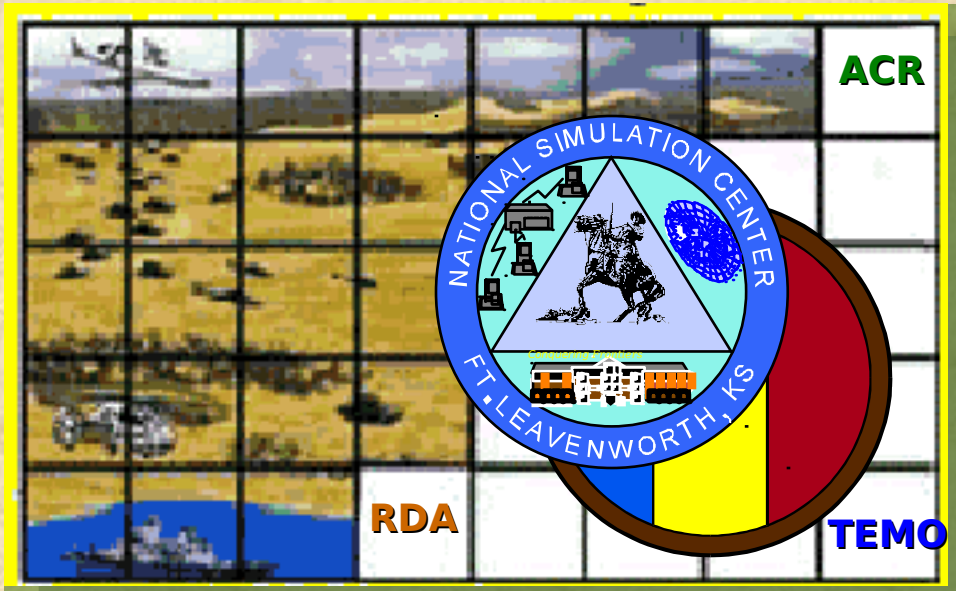
Functional Area 57



Simulations
Operations

FA57 Information Brief

VERIDIAN

FA 57 MISSION

Impact Army Training Through

- ***Better Simulations***
- ***Better Execution of Simulations***

FA 57 METHOD

Build a Corps of Expert Simulations Officers to

- ***Support Field Commanders' Training***

- ***Influence the Development and Procurement of Simulations***

FA 57 METHOD

Build a Corps of Expert Simulations Officers through

- ***Education***
  - ***-Qualification Course***
  - ***-Advanced Civil Schooling***
  - ***-Distance Learning***
  - ***-Training With Industry***
- ***Assignment process***
  - ***-Right Job, Right Person***
  - ***-Build Experience***

FA 57 VISION

A community of technically and tactically competent Simulation Operations officers capable of leveraging computer simulation technologies to assist field commanders in using M&S to maximize training effectiveness.

- *FA57 officers are principle planners, designers and implementers of M&S-based training events and exercises*
- *FA57 officers speak and understand 'simulation language'; provide M&S expertise at all levels of command. Bring operational experience, realism, and user requirements to the M&S development process*
- *FA57 officers understand M&S requirements identification and M&S Life Cycle Management process*
- *FA57 officers serve as the bridge between Operations Career Field, Army Acquisition Corps, DAE's, and Contractor system*

Duties include simulation systems engineering, simulation operations management and applications of simulation in Training, Exercises & Military Operations (TEMO), Research, Development & Acquisition (RDA) and Advanced Concepts &

FA 57 Development & Qualification

To develop quality qualification and follow-on courses that help develop simulation operations officers capable of leveraging advances in computer simulation and modeling technologies to assist the field commander increase combat readiness.

Develop Quality Courses

The right training/education for the right officer at the right time!

Qualification Course 6-8 weeks

FA57 Assignment

Advanced Civil Schooling 1-2 years

FA57 Assignment

* Distance Learning Refresher Training

Training With Industry 1-2 years

FA57 Assignment

Value Added To FA 57 Officer And The Army

Attendance to Courses:

- Qualification Course - All FA 57 Officers
- Follow-on Courses - Based on Assignments/Electives
- ACS - 3-4 per year group + Coop Programs
- TWI - 1 per year group
- Currently have 2 TWI positions: TRW & Lockheed Martin

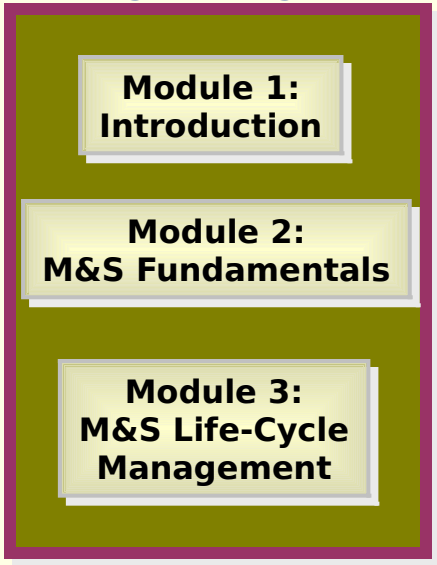
FA 57 Qualification Course

Background and Foundation

- Definitions/Terminology
- Basic Types of Simulations
- Modeling /Wargaming

Format: "Traditional" Small Group Instruction. Lecture/Discussion.

Location: Bell Hall - Fort Leavenworth



Simulations - TEMO/RDA/ACR

- Live, Virtual, Constructive Simulations
- Advance C2 Simulations / C4I Interoperability
- R&D, T&E, Ops Research Simulations
- M&S in Force Development / Concept Development
- Simulations Based Acquisition

FA57 Officers will have an understanding of M&S Application and use in the TEMO, RDA and ACR domains.

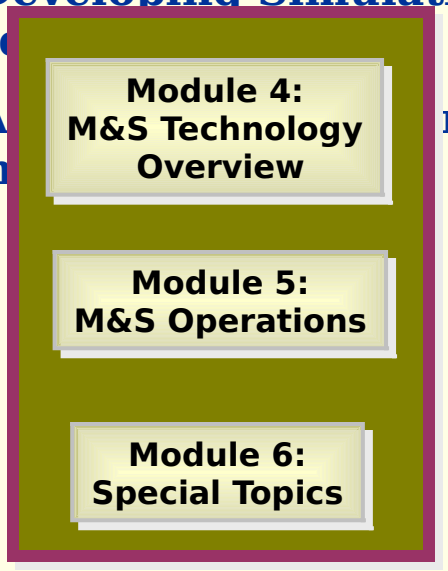
FA 57 Qualification Course

Format: Applications Labs;
Seminar/Student Presentations

Location: NSC / "The BeeHive"
Fort Leavenworth

Simulations Development

- FAMSIM WARSIM Development
- PDSS / Configuration Management
- Developing Simulation Re
- A ning Sim

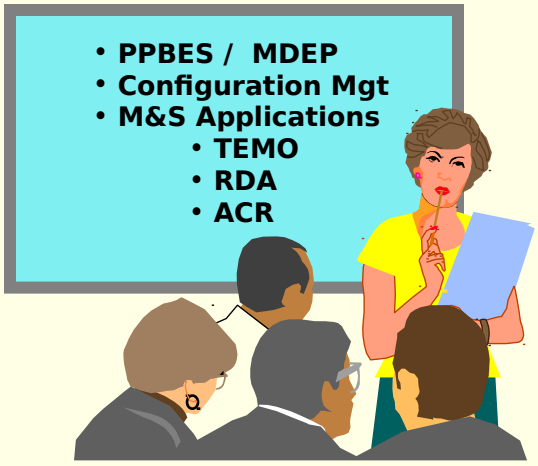


Training With Simulations

- Application Of Training Simulations
  - Live, Virtual, Constructive
  - Federations (Army / Joint)
  - C4I interoperability
- Advanced Command and Control Simulations
- Other Service Simulations Used in Army Training
- Linking and Remoting Simulations
- How To Train Using Simulations
- Planning Simulation Exercises

Presentation & Evaluation Format

- **General classroom instruction / Small Group Instruction**
  - **M&S Applications Labs**
    - Combines technical and operational overview
    - Demonstration, Practical Exercise -- “hands on”
      - **Student Presentations**
        - Team and Individual Research / In-class presentation
        - Instructor and Peer Evaluation
          - **Career Panel**
            - Includes reps from NSC, BCTP(?), BSCs(?)
            - Career Management Issues
            - “Field Expectations”



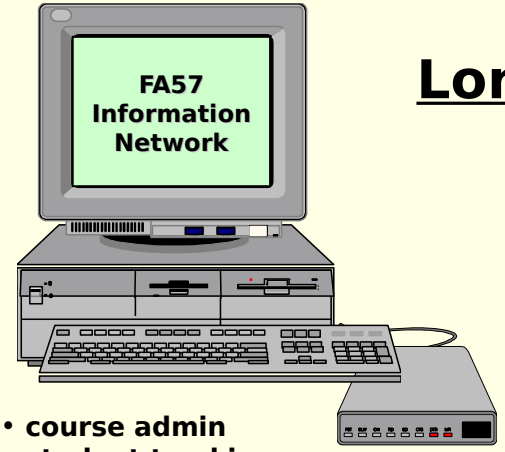
- Student Assessment Survey
- Test/Examination
- Team Presentations
- Research Presentations

Distance Learning / Course Transition

Near Term:

There is an "immediate" need to be able to maintain currency and proficiency of the FA57 officer after completion of resident-phase qualification course.

- perishable knowledge and skills - use it or lose it !
- continual configuration updates / releases of legacy M&S
- introduction and 'learning' of new M&S (WARSIM/JSIMs….)
- establish dialogue and 'venue' for FA57 information exchange



- course admin
- student tracking
- online testing
- student presentations
- FA57 community -
  "information exchange"

Long Term:

"Traditional lecture/discussion modules/lessons" lend themselves to presentation in Distance Learning (DL) format

Propose to initiate transition of select lessons/modules as an FY01 initiative - target for initial DL format: Class 2-01 (June

Potential reduction to a 2-week Resident Phase given a "full transition" to DL for all lecture/discussion classes

Go to "online technologies" to support
- **tracking student progress for DL 'modules'**
- **testing / student evaluation**
- **video-conferencing for student presentations**

Qualification Course TLO's

The FA Qualification Course challenges students to:

a. Learn the basic concepts and fundamentals of Army M&S systems and applications

b. Learn to manage the development, fielding, and maintenance of M&S models and environments.

c. Learn to plan and supervise the execution of an M&S supported event, experiment, or exercise.

TLO#1 Students will understand the definitions, terms and fundamental concepts associated with the development and use of Army M&S systems.

TLO#2 Students will know the policies, agencies involved and procedures associated with procuring, developing, fielding and maintaining M&S systems. (M&S Life-Cycle Management)

Focus TEMO

TLO#3 Students will understand the operational capabilities and limitations of current Army M&S systems/models and their appropriate application within the TEMO domain.

TLO#4 Students will be able to plan, manage and conduct M&S-based / M&S-supported training events using Constructive, Virtual and combined/ federated M&S environments by applying the M&S Planning and Execution Management Process.

TLO#5 Students will be familiar with the capabilities and limitations of current Army M&S 'test & analysis' systems/models and their application within the RDA and ACR domains.

TLO#6 Students will be familiar with both emerging/future Army and DOD M&S initiatives and Joint/non-Army specific M&S systems/models.

Overview RDA & ACR

*** Following CGSOC course development guidelines and formats.*

*** Principle Instructors completing CGSCO Faculty Development and Cours*

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Typical Assignments For FA 57 Officers

The right officer -- in the right position -- at the rig

CPT	MAJ	LTC	COL
-Simulation Staff Officer -Observer/Controller -Instructor (Svc Sch/USMA) -Project Officer -BSC Staff Officer -NSC Staff Officer -Advanced Civil Schooling	-BSC Staff Officer -Project Officer/ Leader -NSC Staff Officer -Asst Division Chief -Joint/DA/MACOM staff -Advanced Civil Schooling -Other DA & DOD agencies	-Project Manager -Joint/DA/MACOM staff -Advanced Civil Schooling -BSC Division Chief -NSC Branch Chief -Other DA & DOD agencies	-BSC Director/ Division Chief -Joint/DA/MACOM Staff -TRADOC Systems Manager -NSC Division Chief -Other DA & DOD agencies

- **Officers Will Be Assigned To Both TDA And TOE Positions at Corps and Divisions throughout the Army.**
- **Officers Will Serve In Positions at MACOMS, Joint and Army**

		LTC JOHN WAYNE DOE								
YOS	YEAR	**12/AR YG: 80**								
					Assignment Preference: Ft Stewart					
22	2002									
		NEXT ASSIGNMENT?			**School Preference: Unknown**					
21	2001									
20	2000	**HQ AR SOUTH**								
				1999 REQ NR 01R 6213, AGDET REPL DET						TEXAS
19	1999									
				1999 REG EXEC OFFICER YTA, HQ AR SOUTH						NAPLES
18	1998			1997 PLANS OFFICER, HQ AF SOUTH						NAPLES
				1997 PLANS OFFICER SARAJEVO, HQ AF SOUTH						NAPLES
17	1997			1996 XO OFC OF COFS, HQ AR SOUTH						NAPLES
16	1996									
15	1995	**Warieor Prep Center**		1996 S3 COMBAT TRAINER, USA NTC						FT IRWIN
				1994 S3 COMBAT TRAINER, USA NTC						FT IRWIN
14	1994	MO, U MO, KANSAS CITY								
13	1993	**AR SO 03 HHT**	1993 U MO, (MPA-ORG- BEHVR)							
				1993 SQUADRON S3, AR SO 03 HHT						FT BLISS
12	1992	**1992 CMD GEN STAFF COLLEGE**								
11	1991	**USA COMBAT ARMS**								
				1991 COMBAT ANALYST CALL, USA CAC TNG						FT LVNWTH
10	1990			1990 OPERATIONS OFFICER, MARINE LIAISON OFF						RIYADH
				1990 MANEUVER ANAL CALL, USA COMB ARMS TNG A						FT LVNWTH
9	1989			1989 MANEUVER ANAL CALL, USA COMB ARMS TNG A						FT LVNWTH
		1/509TH AIRBORN IN								
8	1988									
7	1987		1987 CAS3							
				1987 TANK COMPANY COMMANDER, 1/509TH AIRBORN IN						LITTLERCK
6	1986	**AR BN 01**								
				1985 TANK COMPANY COMMANDER						FT IRWIN
5	1985			1985 BATTALION S1, AR BN 01 HHC						FT IRWIN
				1984 LIAISON OFFICER, AR BN 01 HHC						FT IRWIN
4	**1984**	**1987 ARM OFF ADV**								
		FA BN 01 HHB								
3	1983									
2	1982			1982 BATTALION S2, FA BN 01 HHB						BAUMHOLDF
				1981 FIRE SUPPORT OFFICER, FA BN 01 HHB						BAUMHOLDF
1	1981			1980 FIRE SUPPORT TEAM CHIEF, FA BN 01 HHB						BAUMHOLDF
	1980	**ARMY SCHOOLS**								
			1979 TX, U TEXAS, ARLINGTON (BA - HISTORY)							